

# WEST Search History

DATE: Tuesday, October 21, 2003

<u>Set Name</u>	<u>Query</u>	<u>Hit Count</u>	<u>Set Name</u>
side by side			result set
	<i>DB=USPT,PGPB; PLUR=YES; OP=OR</i>		
L15	UREA NEAR10 (UBIQUINONE (COENZYME ADJ Q10))	3	L15
	<i>DB=PGPB,JPAB,EPAB,DWPI; PLUR=YES; OP=OR</i>		
L14	urea near30 (coenzyme adj q10)	13	L14
L13	urea near30 (ubiquinone)	1	L13
L12	urea near30 (uniquinone)	0	L12
	<i>DB=JPAB,EPAB,DWPI; PLUR=YES; OP=OR</i>		
L11	UREA NEAR10 (UBIQUINONE (COENZYME ADJ Q10))	6	L11
L10	UREA NEAR10 (HYDROQUINONE (COENZYME ADJ Q10))	60	L10
	<i>DB=USPT,PGPB,JPAB,EPAB,DWPI; PLUR=YES; OP=OR</i>		
L9	UREA NEAR20 (HYDROQUINONE (COENZYME ADJ Q10))	370	L9
L8	UREA NEAR30 (HYDROQUINONE (COENZYME ADJ Q10))	420	L8
	<i>DB=USPT; PLUR=YES; OP=OR</i>		
L7	UREA NEAR20 (COENZYME ADJ Q10)	1	L7
L6	L4 and (whey near3 powder)	8	L6
L5	L4 and powder	18	L5
L4	L3 and pasteur\$	24	L4
L3	whey.ab. and (heat\$ ) and temperature and cosmetic	49	L3
	<i>DB=PGPB,JPAB,EPAB,DWPI; PLUR=YES; OP=OR</i>		
L2	whey.ab. and (beat\$ boil\$) and temperature and cosmetic	3	L2
	<i>DB=USPT; PLUR=YES; OP=OR</i>		
L1	whey.ab. and (beat\$ boil\$) and temperature and cosmetic	16	L1

END OF SEARCH HISTORY

PA D.T.R. Dermal Therapy Research Inc., Can.

SO PCT Int. Appl., 40 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2001017484	A2	20010315	WO 2000-CA1031	20000907
	WO 2001017484	A3	20010927		
	WO 2001017484	C2	20020829		
		W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM		
		RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG		
	EP 1214049	A2	20020619	EP 2000-958066	20000907
		R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL		
	US 2003104080	A1	20030605	US 2002-87850	20020305
PRAI	US 1999-152637P	P	19990907		
	WO 2000-CA1031	W	20000907		

L19 ANSWER 17 OF 22 CAPLUS COPYRIGHT 2003 ACS on STN

AN 2001:82642 CAPLUS

DN 135:132358

TI Randomized, double-blind placebo-controlled trial of coenzyme Q10 in chronic renal failure: Discovery of a new role

AU Singh, Ram B.; Khanna, Hari K.; Niaz, Mohammad A.

CS Centre of Nutrition, Medical Hospital and Research Centre, Moradabad, India

SO Journal of Nutritional & Environmental Medicine (2000), 10(4), 281-288  
CODEN: JNEMFF; ISSN: 1359-0847

PB Carfax Publishing

DT Journal

LA English

RE.CNT 30 THERE ARE 30 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L19 ANSWER 18 OF 22 CAPLUS COPYRIGHT 2003 ACS on STN

AN 2000:126992 CAPLUS

DN 132:313648

TI Plasma levels of coenzyme Q10, vitamin E and lipids in uremic patients on conservative therapy and hemodialysis treatment: some possible biochemical and clinical implications

AU Lippa, S.; Colacicco, L.; Bondanini, F.; Calla, C.; Gozzo, M. L.; Ciccarello, M.; Angelitti, A. G.

CS Istituto di Chimica e Chimica Clinica, Universita Cattolica del S. Cuore, Rome, Italy

SO Clinica Chimica Acta (2000), 292(1-2), 81-91  
CODEN: CCATAR; ISSN: 0009-8981

PB Elsevier Science Ireland Ltd.

DT Journal

LA English

RE.CNT 26 THERE ARE 26 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L19 ANSWER 19 OF 22 CAPLUS COPYRIGHT 2003 ACS on STN

AN 1999:359962 CAPLUS

DN 131:181506

L19 ANSWER 11 OF 22 CAPLUS COPYRIGHT 2003 ACS on STN  
AN 2002:637513 CAPLUS  
DN 137:190730  
TI Compositions of therapeutic biochemical compounds involved in bioenergy metabolism of cells  
PA Rath, Matthias, Neth.  
SO PCT Int. Appl., 16 pp.  
CODEN: PIXXD2  
DT Patent  
LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2002064129	A2	20020822	WO 2002-EP1545	20020214
	WO 2002064129	A3	20030508		
	W: AE, AU, BR, CA, CN, CU, CZ, EE, HR, HU, ID, IL, IN, JP, KR, LT, LV, MK, MX, NO, NZ, PL, RO, RU, SG, SI, SK, TR, UA, ZA				
	RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR				
	US 2002173546	A1	20021121	US 2002-77283	20020214
	BR 2002003902	A	20030128	BR 2002-3902	20020214
	NO 2002004536	A	20020920	NO 2002-4536	20020920
PRAI	US 2001-268825P	P	20010214		
	WO 2002-EP1545	W	20020214		

L19 ANSWER 12 OF 22 CAPLUS COPYRIGHT 2003 ACS on STN  
AN 2002:591669 CAPLUS

DN 137:154384  
TI Symbiotic regenerative compositions containing microorganisms  
IN Schuer, Joerg-Peter

PA Germany  
SO Eur. Pat. Appl., 25 pp.  
CODEN: EPXXDW

DT Patent  
LA German

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 1228769	A1	20020807	EP 2001-102384	20010202
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
	WO 2002067986	A2	20020906	WO 2002-EP1056	20020201
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
PRAI	EP 2001-102384	A	20010202		

RE.CNT 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L19 ANSWER 13 OF 22 CAPLUS COPYRIGHT 2003 ACS on STN

AN 2002:591621 CAPLUS

DN 137:129572

TI Skin care product

PA Koehler Pharma G.m.b.H., Germany  
SO Ger. Gebrauchsmusterschrift, 14 pp.  
CODEN: GGXXFR

DT Patent  
 LA German  
 FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI DE 20204160	U1	20020808	DE 2002-20204160	20020314
PRAI DE 2002-20204160		20020314		

L19 ANSWER 14 OF 22 CAPLUS COPYRIGHT 2003 ACS on STN  
 AN 2002:143204 CAPLUS  
 DN 136:189383  
 TI A water-free transdermal delivery system  
 IN Dransfield, Charles William  
 PA Australia  
 SO U.S. Pat. Appl. Publ., 17 pp.  
 CODEN: USXXCO

DT Patent  
 LA English  
 FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI US 2002022052	A1	20020221	US 2001-863764	20010524
PRAI AU 2000-6691	A	20000406		
AU 2000-8885	A	20000721		

L19 ANSWER 15 OF 22 CAPLUS COPYRIGHT 2003 ACS on STN  
 AN 2001:396644 CAPLUS  
 DN 135:24671  
 TI Solid carriers for improved delivery of active ingredients in pharmaceutical compositions  
 IN Patel, Manesh V.; Chen, Feng-jing  
 PA Lipocene, Inc., USA  
 SO PCT Int. Appl., 107 pp.  
 CODEN: PIXXD2

DT Patent  
 LA English  
 FAN.CNT 9

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 2001037808	A1	20010531	WO 2000-US32255	20001122
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
US 6248363	B1	20010619	US 1999-447690	19991123
EP 1233756	A1	20020828	EP 2000-980761	20001122
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
JP 2003517470	T2	20030527	JP 2001-539423	20001122
PRAI US 1999-447690	A	19991123		
WO 2000-US32255	W	20001122		

RE.CNT 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD  
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L19 ANSWER 16 OF 22 CAPLUS COPYRIGHT 2003 ACS on STN  
 AN 2001:185530 CAPLUS  
 DN 134:227128  
 TI Topical urea composition for the skin  
 IN Singh, Parashu Ram; Perlmutter, Alan Lorne

TI The plasma membrane NADH oxidase of HeLa cells has hydroquinone oxidase activity  
AU Kishi, Takeo; Morre, Dorothy M.; Morre, D. James  
CS Department of Medicinal Chemistry and Molecular Pharmacology, Purdue University, West Lafayette, IN, 47907, USA  
SO Biochimica et Biophysica Acta (1999), 1412(1), 66-77  
CODEN: BBACAQ; ISSN: 0006-3002  
PB Elsevier Science B.V.  
DT Journal  
LA English

RE.CNT 35 THERE ARE 35 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L19 ANSWER 20 OF 22 CAPLUS COPYRIGHT 2003 ACS on STN  
AN 1998:489534 CAPLUS  
DN 129:293760  
TI Percutaneous absorption of one hundred drugs and the derivation of an experimental regression equation  
AU Xu, Jingfeng; Zhao, Weijuan; Zhang, Mei; Liu, Mei; Wang, Jinping; Jin, Yinghua; Wang, Yurong  
CS Beijing Military Command Clinical Pharmaceutical Institute, Beijing, 100700, Peop. Rep. China  
SO Zhongguo Yaoxue Zazhi (Beijing) (1998), 33(2), 86-91  
CODEN: ZYZAEU; ISSN: 1001-2494  
PB Zhongguo Yaoxuehui  
DT Journal  
LA Chinese

L19 ANSWER 21 OF 22 CAPLUS COPYRIGHT 2003 ACS on STN

18, 19, 20.

AN 1987:421938 CAPLUS  
DN 107:21938  
TI Coenzyme Q production by Aureobasidium  
IN Komiya, Hideyuki  
PA Sanko Seisakusho K. K., Japan  
SO Jpn. Kokai Tokkyo Koho, 4 pp.  
CODEN: JKXXAF

DT Patent  
LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 61293391	A2	19861224	JP 1985-133031	19850620
	JP 63009838	B4	19880302		
PRAI	JP 1985-133031		19850620		

L19 ANSWER 22 OF 22 CAPLUS COPYRIGHT 2003 ACS on STN

AN 1981:139993 CAPLUS  
DN 94:139993  
TI Coenzyme Qs.  
PA Mitsui Toatsu Chemicals, Inc., Japan  
SO Jpn. Kokai Tokkyo Koho, 4 pp.  
CODEN: JKXXAF

DT Patent  
LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 55118437	A2	19800911	JP 1979-25121	19790306
	JP 62005413	B4	19870204		
PRAI	JP 1979-25121		19790306		

=>

L19 ANSWER 21 OF 22 CAPLUS COPYRIGHT 2003 ACS on STN

AN 1987:421938 CAPLUS

DN 107:21938

TI Coenzyme Q production by Aureobasidium

IN Komiya, Hideyuki

PA Sanko Seisakusho K. K., Japan

SO Jpn. Kokai Tokkyo Koho, 4 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

IC ICM C12P007-66

CC 16-2 (Fermentation and Bioindustrial Chemistry)

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 61293391	A2	19861224	JP 1985-133031	19850620
	JP 63009838	B4	19880302		
PRAI	JP 1985-133031		19850620		

AB In coenzyme Q prodn. by Aureobacidium, the cultured cells were centrifuged, dried, and extd. with DMSO alone or in combination with other solvents to recover coenzyme Q. Thus, Aureobasidium sp. 14 was cultured in a medium contg. urea 16.9, KH<sub>2</sub>PO<sub>4</sub> 60, MgSO<sub>4</sub>.cntdot.7H<sub>2</sub>O 6, FeCl<sub>3</sub>.cntdot.6H<sub>2</sub>O 0.18g, benzoyl thiamine-HCl 12.4 mg, p-hydroxybenzoic acid 2250 ppm, inorg. salts, and tap water 12 L at 30.degree. and pH 5.5 for 6 days. The cells were collected, dried, extd. with DMSO-iso-proOH (1:1). The ext. was treated with hexane, and the hexane layer was sep'd., washed, dehydrated, evapd. under reduced pressure, redissolved in acetone, and chromatographed on silica gel to obtain 9.965 mg coenzyme Q10.

ST Aureobasidium coenzyme Q manuf

IT Aureobasidium

(coenzyme Q manuf. by, extn. with DMSO in relation to)

IT Fermentation

(coenzyme Q, by Aureobasidium, extn. with DMSO in relation to)

IT 64-17-5, Ethanol, biological studies 67-56-1, Methanol, biological studies 67-63-0, Isopropanol, biological studies 67-64-1, Acetone, biological studies

RL: BIOL (Biological study)

(coenzyme Q extn. from Aureobasidium fermn. with DMSO and)

IT 67-68-5, DMSO, biological studies

RL: BIOL (Biological study)

(coenzyme Q extn. with, from Aureobasidium)

IT 303-98-0P, Coenzyme Q10

RL: BMF (Bioindustrial manufacture); BIOL (Biological study); PREP (Preparation)

(manuf. of, with Aureobasidium, extn. with DMSO in relation to)

L19 ANSWER 22 OF 22 CAPLUS COPYRIGHT 2003 ACS on STN

AN 1981:139993 CAPLUS

DN 94:139993

TI Coenzyme Qs.

PA Mitsui Toatsu Chemicals, Inc., Japan

SO Jpn. Kokai Tokkyo Koho, 4 pp.

CODEN: JKXXAF

DT Patent

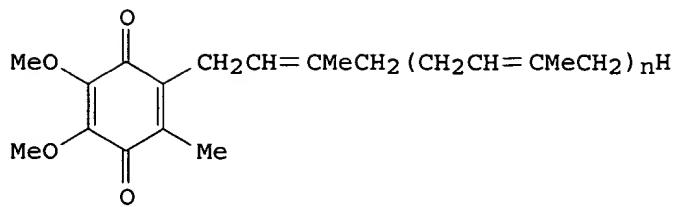
LA Japanese

IC C07C050-28; C07C046-00

CC 30-40 (Terpenoids)

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 55118437	A2	19800911	JP 1979-25121	19790306
	JP 62005413	B4	19870204		
PRAI	JP 1979-25121		19790306		



AB Coenzyme Qs I ( $n = 1, 8, 9$ ) were prep'd. by treating 2,3-dimethoxy-5-methyl-p-benzohydroquinone (II) with  $\text{HOCH}_2\text{CH:CMeCH}_2(\text{CH}_2\text{CH:CMeCH}_2)_n\text{H}$ ,  $\text{H}_2\text{C:CH(OH)MeCH}_2(\text{CH}_2\text{CH:CMeCH}_2)_n\text{H}$ , or their reactive derivs. in the presence of Lewis acids and  $\text{RR}_1\text{NCOR}_2$  ( $\text{R, R}_1 = \text{H, alkyl; R}_2 = \text{H, alkyl, NH}_2, \text{ alkylamino}$ ) followed by oxidn. Thus, stirring 1.27 mL  $\text{BF}_3\text{-Et}_2\text{O}$  with decaprenyl alc. 3.49, II 3.68, and urea 0.6 g in  $\text{C}_6\text{H}_6$ -hexane 2 h gave, after oxidn. with aq.  $\text{FeCl}_3$ , 2.4 g I ( $n = 9$ ).

ST coenzyme Q

IT 303-97-9P 303-98-0P 606-06-4P

RL: SPN (Synthetic preparation); PREP (Preparation)  
(prepn. of)

IT 51743-70-5

RL: RCT (Reactant); RACT (Reactant or reagent)  
(reaction of, with dimethoxymethylbenzohydroquinone, coenzyme Q derivs.  
from)

IT 3066-90-8

RL: RCT (Reactant); RACT (Reactant or reagent)  
(reaction of, with polyprenyl alcs., coenzyme Q derivs. from)